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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

6

Application Number

10/576,038

Filing Date

April 14, 2006

First Named Inventor

Heather D. Maynard et al.

Art Unit

1646

Examiner Name

Attorney Docket Number

861-26-088-2

### ENCLOSURES (Check all that apply)

☐

Fee Transmittal Form

☐

Fee Attached

☐

Amendment/Reply

☐

After Final

☐

Affidavits/declaration(s)

☐

Extension of Time Request

☐

Express Abandonment Request

☒

Supplemental I.D.S.

☐

Certified Copy of Priority Document(s)

☐

Reply to Missing Parts/  
Incomplete Application

☐

Reply to Missing Parts  
under 37 CFR 1.52 or 1.53

☐

Drawing(s)

☐

Licensing-related Papers

☐

Petition

☐

Petition to Convert to a  
Provisional Application

☐

Power of Attorney, Revocation

☐

Change of Correspondence Address

☐

Terminal Disclaimer

☐

Request for Refund

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CD, Number of CD(s) \_\_\_\_\_

☐ Landscape Table on CD

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After Allowance Communication to TC

☐

Appeal Communication to Board  
of Appeals and Interferences

☐

Appeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)

☐

Proprietary Information

☐

Status Letter

☒

Other Enclosure(s) (please identify  
below):

Form PTO-1449 (Modified) 3 sheets;  
Copies of 15 publications;  
Post Card

Remarks

The Commissioner is hereby authorized to charge any additional fees required to Deposit  
Account 11-1580.

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name

Koppel, Patrick & Heybl

Signature

Printed name

Michael J. Ram

Date

Dec 26, 2006

Reg. No.

26,379

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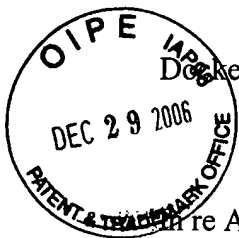
Eleanor Nakada

Date

Dec 27, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Docket No. 861-26-088-2

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Re Application of: Heather D. Maynard et al. Confirmation No.: 9676  
U.S. Serial No.: 10/576,038 Group Art Unit: 1646  
Filing or 371(c) Date: April 14, 2006  
International Application No.: PCT/US2004/033125  
For: BIOMOLECULE POLYMER CONJUGATES

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §1.97(b)**

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), applicants bring to the attention of the Examiner the documents listed on the attached Form PTO-1449. This Supplemental Information Disclosure Statement is being filed within three months of the filing of the above referenced application or before the mailing date of a first Office Action on the merits for the above-referenced application.

In accordance with the PTO procedure (all patent applications filed after June 30, 2003), we have not enclosed the U.S. patent references cited on PTO form 1449.

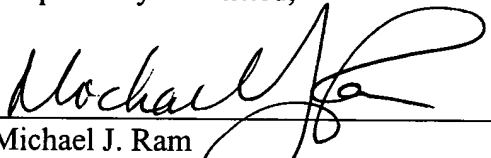
Applicants respectfully request that the Examiner consider the listed documents and evidence that consideration of relevant portions by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art". If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

Respectfully submitted,

Dated: Dec 26, 2006

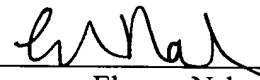
  
\_\_\_\_\_  
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Eleanor Nakada

FORM PTO-1449 (Modified)

## INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

**Docket No.:** 861-26-088-2

Application No.: 10/576,038

**Applicants:** Heather D. Maynard et al.

**Filing Date:** April 14, 2006

Group Art Unit: 1646

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	<p>Kiick, K.L. et al., "Expanding the Scope of Protein Biosynthesis by Altering the Methionyl-tRNA Synthetase Activity of a Bacterial Expression Host", <i>Angew. Chem., Int. Ed.</i>, <b>39</b>, p2148-2152 (2000)</p>
	<p>Kiick, K.L. et al., "Identification of an Expanded Set of Translationally Active Methionine Analogues in Escherichia Coli", <i>FEBS Lett.</i>, <b>502</b>, p25-30 (2001)</p>
	<p>Kochendoerfer, G.G. et al., "Design and Chemical Synthesis of a Homogeneous Polymer-Modified Erythropoiesis Protein", <i>Science</i>, <b>299</b>, p884-887 (2003)</p>
	<p>Wang Y. et al., "Structural and Biological Characterization of Pegylated Recombinant Interferon Alpha-2b and its Therapeutic Implications", <i>Adv. Drug Delivery Rev.</i>, <b>54</b>, p547-570 (2002)</p>
	<p>Kinstler, O., "Mono-N-terminal Poly(ethylene glycol)-Protein Conjugates", <i>Adv. Drug Delivery Rev.</i>, <b>54</b>, p477-485 (2002)</p>
	<p>Chapman, A.P., et al. "Therapeutic Antibody Fragments with Prolonged In Vivo Half-Lives", <i>Nat. Biotechnol.</i>, <b>17</b>, p780-783 (1999)</p>
Examiner	Date Considered
<p>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

FORM PTO-1449 (Modified)  INFORMATION DISCLOSURE CITATION IN AN APPLICATION  (Use several sheets if necessary)	Docket No.: 861-26-088-2	Application No. 10/576,038
	Applicants: Heather D. Maynard et al.	
	Filing Date: April 14, 2006	Group Art Unit: 1646

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Name	Class	Subclass	Translation	
						Yes	No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Duncan, R., "The Dawning Era of Polymer Therapeutics", <u>Nat. Rev. Drug Discovery</u> , <u>2</u> , p347-360 (May 2003)
	Hannink, J.M., "Protein-Polymer Hybrid Amphiphiles", <u>Angew. Chem., Int. Ed.</u> , <u>40</u> , p4732-4734 (2001)
	Bontempo, D. et al., "Protein Macroinitiators For Atom Transfer Radical Polymerization", <u>Polymer Preprints</u> , <u>46</u> (1), p78-79 (2005)
	Heredia, K. L. et al., "In-Situ Preparation of Bovine Serum Albumin-poly (PEG Methacrylate) Conjugates", <u>Polymeric Materials Science &amp; Engineering</u> , <u>94</u> , p. 354-355 (2006)
	Lele, Bhalchandra S. et al., "Synthesis of Uniform Protein-Polymer Conjugates", <u>Biomacromolecules</u> , <u>6</u> , No. 6, p.3380-3387 (2005)
	Heredia, K. L. et al., "In Situ Preparation of Protein - 'Smart' Polymer Conjugates with Retention of Bioactivity", <u>J. Am. Chem. Soc.</u> , <u>127</u> , 16955-16960 (2005)
Examiner	Date Considered
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

[illegible][illegible]

Citations (Including Author, Title, Date, Pertinent Pages, Etc.)	
	<p>Heredia, K. K. et al., Supporting Information, "In Situ Preparation of Protein - 'Smart' Polymer Conjugates with Retention of Bioactivity", p. S1-S12.</p> <p>Bontempo, D. et al., "Streptavidin as a Macroinitiator for Polymerization: In Situ Protein - Polymer Conjugate Formation, <u>J. Am. Chem. Soc.</u>, 127, No. 18, 6508-6509 (2005).</p> <p>Bontempo, D. et al., Supporting Information, "Streptavidin as a Macroinitiator for Polymerization: In Situ Protein-Polymer Conjugate Formation".</p>
Examiner	Date Considered
<p>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	